

Title (en)  
FAN COIL UNIT

Title (de)  
LÜFTERSPULENEINHEIT

Title (fr)  
UNITÉ DE BOBINE DE VENTILATEUR

Publication  
**EP 4296584 A1 20231227 (EN)**

Application  
**EP 23180601 A 20230621**

Priority  
IT 202200013351 A 20220623

Abstract (en)  
A fan coil unit (1) comprising: a rigid box-like outer casing (2) with a self-supporting structure, which is provided with a through-duct (3) adapted to be crossed by the external air; a heat exchanger (5) which is located inside the through-duct (3) so as to be lapped/crossed by the air flowing along the duct; electrically-operated ventilation means (4) that are adapted to circulate the external air along said through-duct (3); and an electrically-operated humidifier assembly (9) that is adapted to introduce water vapor inside the place to be air-conditioned and includes a removable modular unit (20) that produces water vapor upon command and is inserted/insertable in removable manner into a corresponding housing seat (21), which is accessible from the outside of the same box-like casing (2) and prolongs/extends inside said box-like casing (2).

IPC 8 full level  
**F24F 6/12** (2006.01); **F24F 1/0087** (2019.01); **F24F 11/00** (2018.01); **F24F 13/20** (2006.01)

CPC (source: EP)  
**F24F 1/0087** (2019.01); **F24F 11/0008** (2013.01); **F24F 13/20** (2013.01)

Citation (search report)

- [X] CN 113883603 A 20220104 - MIDEA GROUP WUHAN HVAC EQUIPMENT CO LTD, et al
- [X] WO 2019148750 A1 20190808 - GD MIDEA AIR CONDITIONING EQUIPMENT CO LTD [CN]
- [X] WO 2020206964 A1 20201015 - GREE ELECTRIC APPLIANCES INC ZHUHAI [CN]
- [X] CN 114198816 A 20220318 - GUANGDONG MIDEA AIR-CONDITIONING EQUIPMENT CO LTD, et al
- [X] CN 111006324 A 20200414 - QINGDAO HAIER AIR CONDITIONER, et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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